

FIG. 1

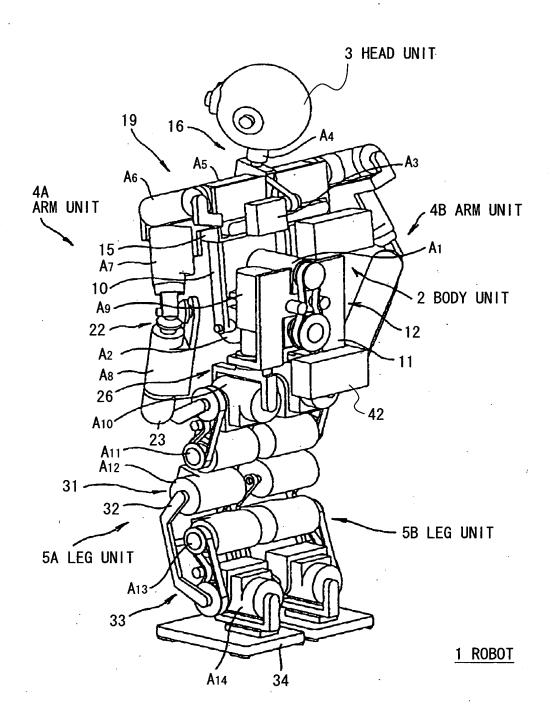


FIG. 2

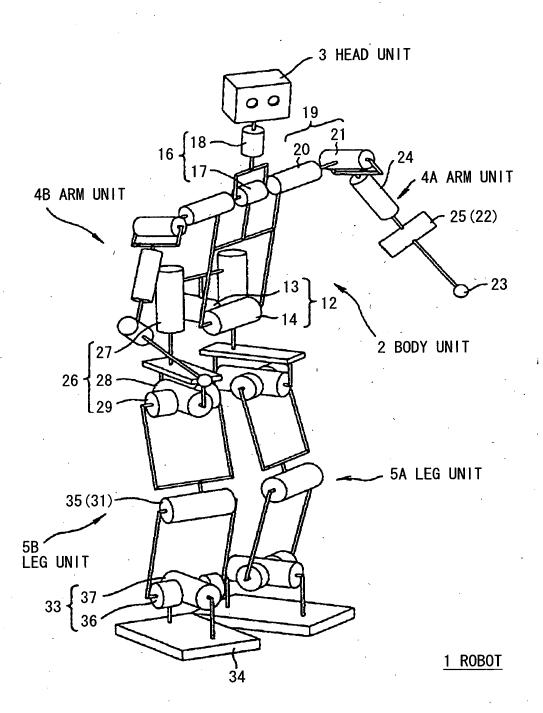
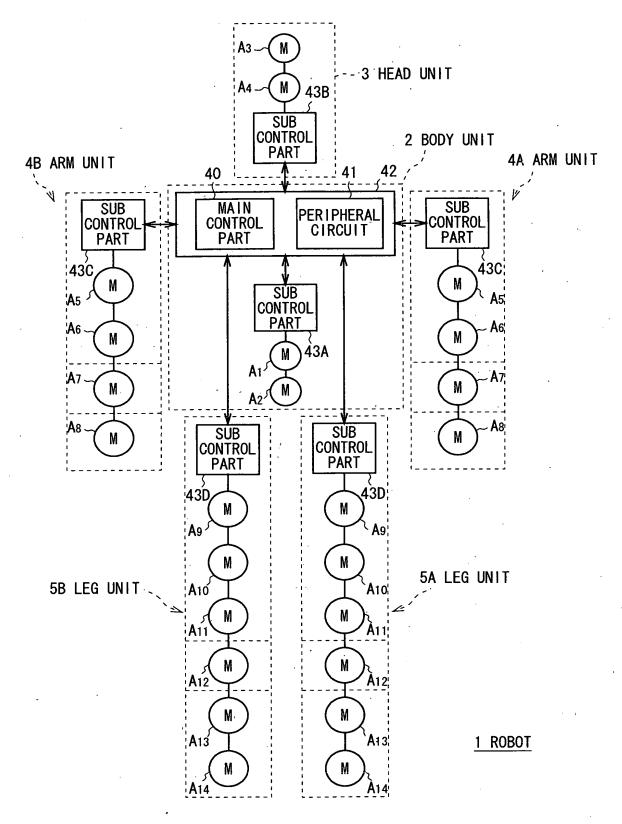
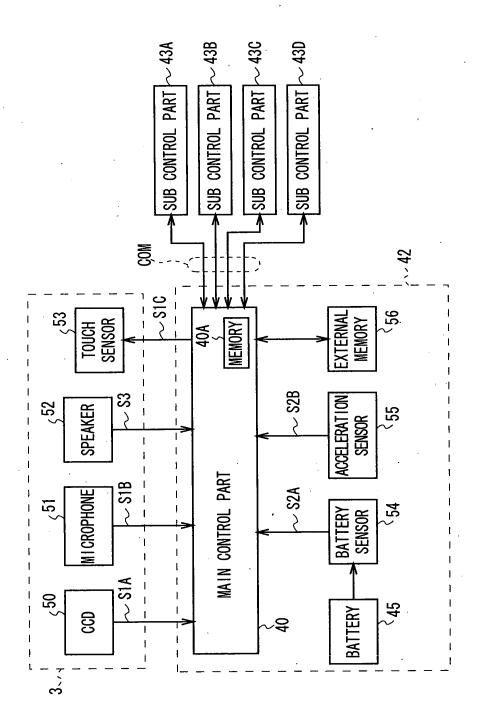


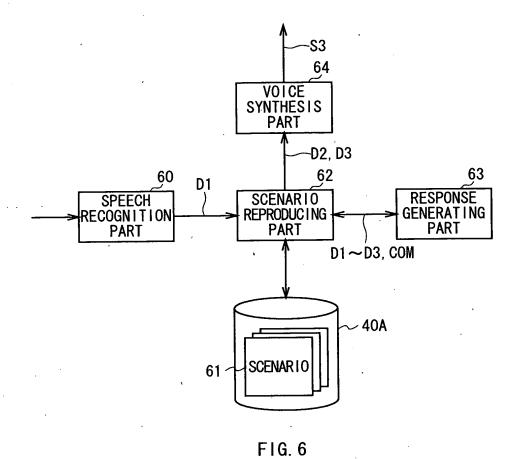
FIG. 3



F1G. 4



F16.5



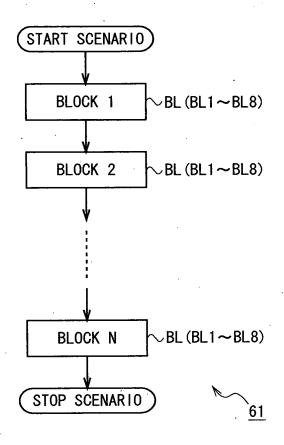


FIG. 7

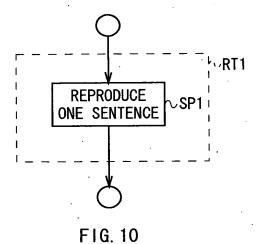
When condition part is true in certain node, it appears utterance shown in utterance part and response generating part, and then voice-synthesize it utterance part action part node # of destination of transition generate response (text) corresponding to \H . reproduce previously prepared voice do some operation for counter n appear corresponding action set time up to time-out voice—synthesize text this line is ignored no action always hit COUNTER: n TIMEWAIT: n PROSODY: MAKERES: node # condition part action part: text condition part: utterance part: format:

F1G. 8

action shown in action part, and then proceeds to node number of destination of transition.

30 1 "That's right." NULL 1000

6 513



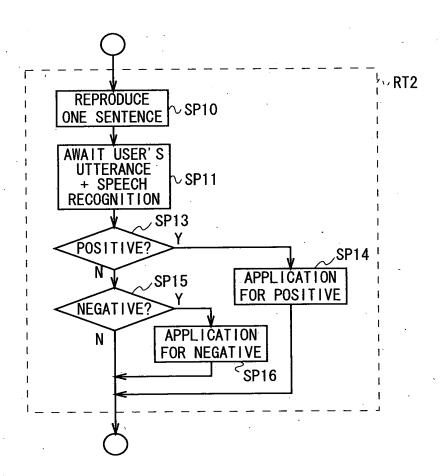


FIG. 12

"no, I' m not|no, it isn't|wrong|no|that's not right|no way|| hate it| never|| don't think so||s it?" ---> "negative" "yes|yes, it is|uh-huh|that's right|you're great to find it|you know well about it|exactly|okay|it's natural|good|sure" --> "positive"

```
generate response
                                                                                            r
g
                                                                                                                                                                                                                                                                                                                                         // if it could not generate response, go to
                                                                                                                                                                                                         1050 // if user's utterance was unexpected, go to 1050
                                                     3000 // response
                                                                                                                                                                                                                                               3000 // if user did not answer in predetermined time, go
                                                                                                                                                                   COUNTER: 30
                                                                                         "Are you all right? Please take good care of yourself."
"It seems to be that too much drinking coffee and alcohol is unhealthy."
                                                                                                                                                                  PROSODY: "n009_0002"
                                                                                                                             PROSODY: "n009_0001"
                                                                                                                                                                                                                                                                                                                         In response generating part (do not generate question and request sentence)
                                                                                                                                                                                                                                                                                                    2060
                                                      satisfaction-A1-3
                                                                                                                                                   ", repeat question
                                 // set time-out to 20 sec
                                                                                                                                                                                      ', repeat question
                                                                                                                                                                                                                                                                                                      question
                                                                                                                                                                                                                                                                                                      MAKERES: "SPECIFIC_ST|GENERAL_ST|LAST_ST"
                                                                                                              // response corresponding to negative
                                                                                                                                                    return_q") && (%COUNTER: 30\% < 3)
                                                                                                                                                 // if user's utterance was "Pardon me?",
                                                    "I see. It's good."
                                                                                                                                                                                                                                                                                                                                          2990
                 1030
                                                                                                                                                                                                                                                                                                                                                                                                                  3031
                                    20 1040
                   shake itself
                                                                                                                                                                                                                                                                                                                                                                                                                 RESET
                                                                                                                                                                                                                                               NULL
                                                                                         negative"
                                                                                                                                                                                                                                                                                                                                         "MAKERES" == "EMPTY"
                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTER: 30
                                                      %VSEM% == "positive"
                                                                                                                                                                                                                                                                                                                                                                                                 COUNTER: 31
                                    FIMEWAIT:
                                                                          corresponding to positive
                                                                                                                                                                                                                            (practically, go to 1060)
                 xx, are you all right?"
                                                                                                                                                                                                                                                                                   ts eyes 3000
                                                                                                                                                                                                                                                                                                      ""
                                                                                                                                                                                                                                                                   to next block
                                                                                                                                                                                                                                                                                                                                                              next block
                                                                                                                                                                                                                                               1040
                                                                                                                                                                                                                                                                                                      090
                                                                                                                                                                                                                                                                                                                                                                                2060
                                                                                                                                                                                                         1040
                                                                                                                                                                     040
                                                                                                                                                                                                                                                                                                                                                                                                                    3000
                                                                                                                                                                                       2
```

F1G 14

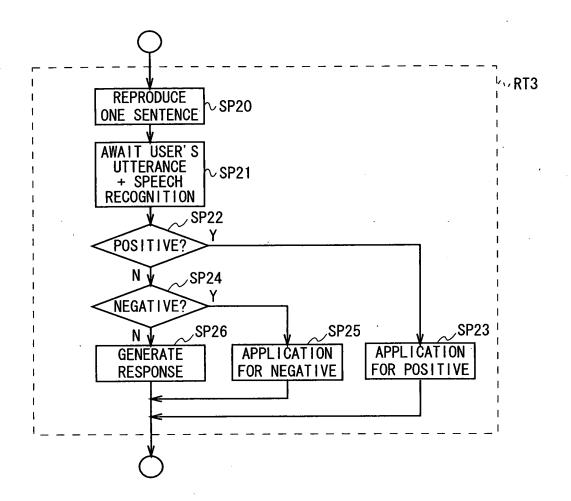


FIG. 15

SPECIFIC	rule depending on scenario: There is possibility to generate "LOOP" (mainly request sentence) and "MAKERES_LOOP"
GENERAL	(mailily question selection). rule common in all scenarios: There is possibility to generate "100p" and "MAKERES LOOP"
LAST	last means' rule: Response is always generated to any input.
SPECIFIC_ST	
GENERAL_ST	not generated. rule common in all scenarios: "LOOP" and "MAKERES_LOOP" are
LAST_ST	last means' rule: Response is always generated to any input. "LOOP" and "MAKERES_LOOP" are not generated.

FIG 16

#1)agreement :yes

good|acceptable|right|that's right|that is right|you are right|| think you are right|| suppose that are right about it|there you are|there you go|there is that|you are not wrong|not wrong|you are on is right|maybe true|must be true|bingo|that's correct|you are correct|right on|you telling me|you the right track|| accept it|| guess you are not wrong|| suppose you are not wrong|| think you are "yes|yeah.|oh, yeah|yeah, yeah|that's what I want to way|maybe|that's it|you know it|there it is surely|| bet|that's a good point|it surely is|no doubt|absolutely true|so true|| heard that||ike that|someone said that|| know it||'ve remembered|that's true|| agree with you|| agree|absolutely certainly|exactly|correct|you bet|you got it|| think so|| guess so|no difference|can be|could be| almost|like that|seems like that|something like that|lt's OK|OK|good|that's good|l think you are not wrong|| don't mind|| don't care|sure|yes, you can

"Releasing stress is important, isn't it?"

F16 17

```
"Do you <think it is|guess it is|fee| it is|believe it is|suppose it is to be|seems it is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               to be|expect it is|imagine it is> < +> $THING$ <?|_END_>"
                                                                                                                                                                                                                                                                                                   I wonder whether there is some news. [MAKERES_LOOP]"
"<today's|the day's> < +> <plan|schedule> < +>"
                                                                                                                I think I'd like to talk with you a lot."
                                                                                                                                                                                                                                                                    "I don't know about today's news yet.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        What means $THINGS$? [MAKERES-LOOP]"
                                                                                                                                                                                                                                                                                                                                                                                "<! understand|| got> <it|> _END_"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |Do you really understand? [LOOP]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     I'm glad. You understand it."
                                                                                                                                                                                         "\langle today's|recent \langle \cdot + \rangle news"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   I don't think it is $THINGS$.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Do you understand? [LOOP]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Well, I think almost so.
                                                                             "I have work today.
```

FIG. 18

"It is <.+> \$UNKNOWN-ANY\$"

"Did you say it is" \$UNKNOWN-ANY\$? [MAKERES-LOOP]

Really!

It's \$UNKNOWN-ANY\$.

Sorry! | couldn't catch. [LOOP]

Telephone may be ringing.

Please change topic easier one. [LOOP]

Please study the way of speaking | can easily catch. | cannot understand difficult words. | reannot understand difficult words. | Yes, | hear you. | Sorry, please tell me it in another way? [LOOP]

No, | can't understand it. | confuse if | hear difficult thing.

F1G 19

```
"Do you <think it is|guess it is|feel it is|believe it is|suppose it is to be|seems it is
to be|expect it is|imagine it is> < +> $THING$ <?|_END_>"
"\langle today' s | the day' s \rangle \langle . + \rangle \langle plan| schedule \rangle \langle . + \rangle"
                                                                                  "I have work today.
II think I'd like to talk with you a lot."
                                                                                                                                                                                                                                                                                                                                        I wonder whether there is some news."
                                                                                                                                                                                                                                                                                                      "I don't know about today's news yet.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Well, I think almost so.
|| don't think it is $THINGS$.
|| wonder what $THINGS$ means."
                                                                                                                                                                                                              "\langle today's | recent \rangle \langle + \rangle news"
```

(t)

```
"|t is <.+> $UNKNOWN-ANY$"

"$UNKNOWN-ANY$

|t' s $UNKNOWN-ANY$."

Really!
Sorry! | couldn' t catch. [LOOP]
Telephone may be ringing.
Please change topic easier one.
Please study the way of speaking | can easily catch. | cannot understand difficult words. |
Yes, | hear you.
Sorry, please tell me it in another way?
No, | can' t understand it. |
I confuse if | hear difficult thing.
```

* 1:-

name of tag name of rule file	rules/scenario10_prompt_1.rule rules/scenario10_prompt_2.rule	PROMPT_n rules/scenario10_prompt_n.rule SPECIFIC rules/scenario10_specific.rule GENERAL rules/general1.rule LAST rules/last_resort1.rule SPECIFIC_ST rules/scenario10_specific_straight.rule GENERAL_ST rules/general1_straight.rule LAST_ST rules/last_report1_straight.rule
name of tag	PROMPT_1 PROMPT_2	PROMPT_n SPECIFIC GENERAL LAST SPECIFIC_ST GENERAL_ST LAST_ST

```
NULL 5300 // generate response by response
                                                                                                                                                                        go to 4190
                                                        0009
                                                                                                                                                                                                                                                                                                                                                                                                           // if response could not be generated, go
                                                                                                                                                                                                                                                                                                                                                                                                                                                 // if response was "LOOP" (mainly, request
                                                                                                                                                                                                                                  5990 // if loop was repeated twice, go to next
                                                                                                                                 PROSODY: "n009_0002" COUNTER: 30
                                                                                            PROSODY: "n009_0001" COUNTER: 30
                                                                                                                                                                                                                                                                                                                                                                     // if response was "NORMAL" (mainly,
                                                        it cannot be satisfied_A2-2
                                                                                                                                                                         6000 // if it became time-out, go to next block
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        // if it became time-out, go to next block
                                      -// positive
                                                                                                                                                                                                                                                                                                              advance loop counter by one
 // question
                                                                                                                                                                                                                                                                                                                               // set time-out to 10 sec 5990
                    // set time-out to 20 sec
                                     0009
                                                                                                                                                                                                                                                                                           (There is possibility to generate doubt/question.)
                                     "I see." satisfaction_A1_2
"You don't like so much." it
                                                                                              (%VSEM% == "return_q") && (%COUNTER: 30\% < 3)
                                                                                                                                    (%VSEM% == "return_s") && (%COUNTER: 30% < 3)
  incline its head
                                                                                                                                                                                                                                                                                                                                                                       5990
                                                                                                                                                                                                                                                                                                                                                                                                            5990
                                                                                                                                                                                                                                                                                                                                                                                                                                                  4180
                                                                                                                                                                                                                                                                       MAKERES: "SPECIFIC|GENERAL|LAST"
                                                                                                                                                                                                                                                                                                             5400
                                                                                                                / correspond to "Pardon me.
                                                                                                                                                                                                                                  NULL
                                                                                                                                                                                                                                                                                                                               5500
                                                                                                                                                    correspond to "Return."
                                    "I see."
                                                                                                                                                                                                                                                                                                                                                                                           next block
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5990
                                                                                                                                                                                                                                  %COUNTER: 31\% > = 2 ""
"Do you like sweets?"
                                                                                                                                                                                                                                                                                                                                                                                                                                                %MAKERES% == "NORMAL"
                                        "positive"
                  TIMEWAIT: 1
                                                        %VSEM% == "negative
                                                                                                                                                                                                                                                                                                                                 TIMEWAIT
                                                                                                                                                                                                                                                                                                                                                   % COUNTER: 31% > = 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sentence), go to 4180
                                                                                                                                                                                                                                                                                                                                                                                             declarative sentence)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         %TIMEUP: 1%
                                                                                                                                                                                                                                                                                                                                                                                                                                  to next block
                                                                               // negative
                                                                                                                                                                                                                                                                                               generation
                                                                                                                                                                                                                                                        b lock
                                                                                                                                                                                                                                                                         4200
                                        4180
                                                                                                                                                                                                                                                                                                                                  5400
                                                          4180
                                                                                                                                                                                                                                   4200
                    1170
                                                                                                                                      4180
                                                                                                                                                                                              4180
```

FIG. 23

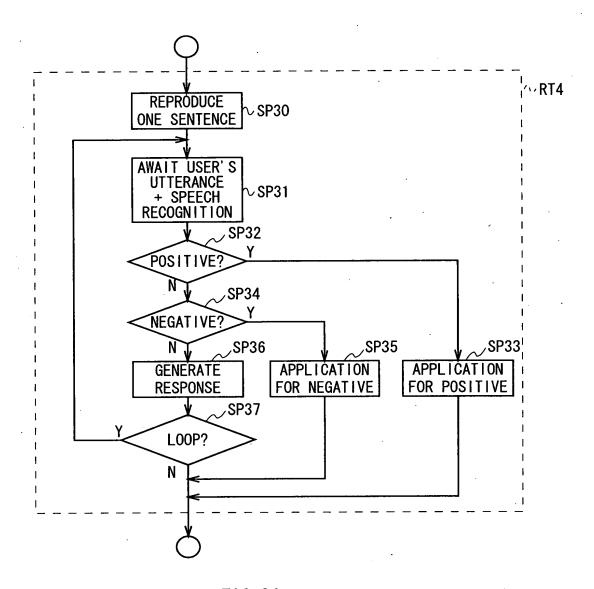


FIG. 24

```
5990 // if response could not be generated, go to
                                                                                                                                                                                                                                                                                                                                                                                                                                                            5990 // if response was declarative sentence, go
                                                                           0009
                                                                                                                                                                                                                             %VOICE% ! = "" "NULL 4190 // if user's utterance was unexpected, go to 4190 %TIMEUP: 1% "" NULL 6000 // if it became time-out, go to next block
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    // if response was "MAKERES_LOOP" (mainly,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                question sentence), await utterance & generate response (There is possibility to generate
                                                                                                                        PROSODY: "n009_0001" COUNTER: 30
                                                                                                                                                                            PROSODY: "n009_0002" COUNTER: 30
"Mr. (Ms.) xx, do you like sweets?" incline its head 4170 // question
                                                "You do." satisfaction_A1_2 6000 // positive "You don't like so much." it cannot be satisfied_A2-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   go to next block
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  // if it became time-out,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             %MAKERES% == "MAKERES_LOOP" && %VOICE%! = %NULL%
                                                                                                                           (\text{%VSEM}\% = \text{"return_q"}) \&\& (\text{%COUNTER}: 30\% < 3)
                                                                                                                                                                          (%VSEM% == "return_s") && (%COUNTER: 30\% < 3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5300
                                               "You do."
                                                                                                                                                                                                                                                                                                                                                                                                          5500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NOLL
                                                                                                                                                  4160 // correspond to "Pardon me.
                                                                                                                                                                                                %010 // correspond to "Return."
%V01CE% ! = "" "" NULL 4190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MAKERES: "SPECIFIC|GENERAL|LAST"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NILL
                                                                                                                                                                                                                                                                                                                                                                                                                                                           %MAKERES% == "NORMAL"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            %MAKERES% == "EMPTY"
                                                  %VSEM% == "positive"
                                                                       %VSEM% == "negative"
                        TIMEWAIT: 1
                                                                                                                                                                                                                                                                                                                                                                                                          TIMEWAIT: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           question/request sentence.)
                                                                                                                                                                                                                                                                                                                                                                                                                                 to next block
                                                                                                  // negative
                                                                                                                                                                                                                                                                                                                                                             generation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      next block
                                                                                                                                                                                                                                                                                                                                 4200
                                                                                                                                                                                                                                                                                                                                                                                                          5400
                                                                                                                                                                                                                                                                                                                                                                                                                                                            5500
                                                                                                                                                                                                                                                        4180
                                                                                                                                                                                                                                                                                                        4200
                                                                                                                                                                                                                               4180
                                                                                                                                                                                                                                                                                4190
```

-16.25

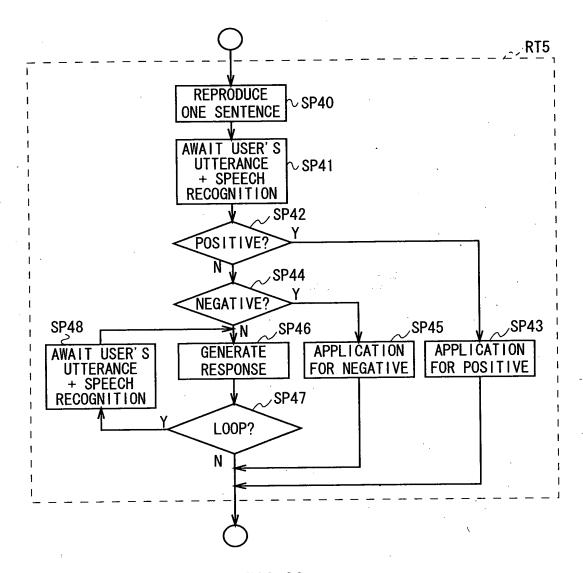


FIG. 26

```
5990 // if loop was repeated twice, go to next block ST" NULL 5300 // generate response by response
                                                                                                                                                                                                                                                                                                                                                                                                                               // if response could not be generated, go to
                                                                                                                                                                                       L 4190 // if user's utterance was unexpected, go to 4190. 6000 // if it became time-out, go to next block
                                                                                                                                                                                                                                                                           // generate response by response
                                                            0009
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5300 // if response was "MAKERES_LOOP" (mainly,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         question sentence), await utterance & generate response (There is possibility to generate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     // if response was "LOOP" (mainly, request
                                                                                                                                             COUNTER: 30
                                                                                                     COUNTER: 30
                                                            it cannot be satisfied_A2-2
                                                                                                                                                                                                                                                                                                                                                                                  // if response was "NORMAL" (mainly,
 // question
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   go to next block
                                     satisfaction_A1_2 6000 // positive
                                                                                                     PROSODY: "n009_0001"
                                                                                                                                              4170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   // if it became time-out,
incline its head
                                                                                                                                                                                                                                                                                                  (There is possibility to generate doubt/question.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sentence), go to 4180
5500   %MAKERES% == "MAKERES_L00P" && %V0ICE% ! = %NULL%
                                                              "You don't like so much.
                                                                                                      (%VSEM% == "return_q") && (%COUNTER: 30\% < 3)
                                                                                                                                                                                                                                                                                                                                                                                     5990
                                                                                                                                                                                                                                                                                                                                                                                                                               5990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4180
                                                                                                                                                                                                                                                                                                                                                                 5990
                                                                                                                                                                                                                                                                            MAKERES: "SPECIFIC|GENERAL|LAST"
 do you like sweets?"
                                                                                                                                                                                          NULL 4190
                                                                                                                             "Pardon me.
                                        "You do."
                                                                                                                                                                                                                                                         N
                                                                                                                                                                    ' correspond to "Return."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5990
                                                                                                                                                                                                                                                                                                                                                                                                           leclarative sentence), go to next block
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "SPECIFIC|GENERAL|LAST"
                                                                                                                                                                                                              STIMEUP: 1% "" NULL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      / correspond to
                                                                                                                                                                                                                                                                                                                                                                                      "MAKERES" == "NORMAL"
                                                                                                                                                                                                                                                                                                                                                                                                                               "MAKERES" == "EMPTY"
                                                               %VSEM% == "negative"
                                                                                                                                                                                                                                                                                                                        COUNTER: 31
                                           %VSEM% == "positive"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "MAKERES" == "L00P"
                                                                                                                                                                                                                                                                                                                                             TIMEWAIT: 1
                                                                                                                                                                                                                                                          ||COUNTER|| 31% > = 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   question/request sentence.
                    TIMEWAIT
    "Mr. (Ms. ) xx,
                                                                                                                                                                                                                                                                                                                                                                  GOUNTER:
                                                                                                                                                                         3010
                                                                                                                                                                                                                                                                                                         generation
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ext block
                                                                                                                                                                                                                                                                                                                          300
                                                                                                                                                                                                                                                                                                                                                                                                                                 5500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5500
                                                                                                                                                                                                                                                                                                                                             5400
                                                                                                                                                                                                                                                                                                                                                                   2200
                                                                                                                                                                                                                                                                                                                                                                                         200
                                                                                                                                                                                                                                                            1200
                                                                                                                                                                                               4180
                                                                                                                                                                                                                  4180
                                                                                                                                                                                                                                      4190
```

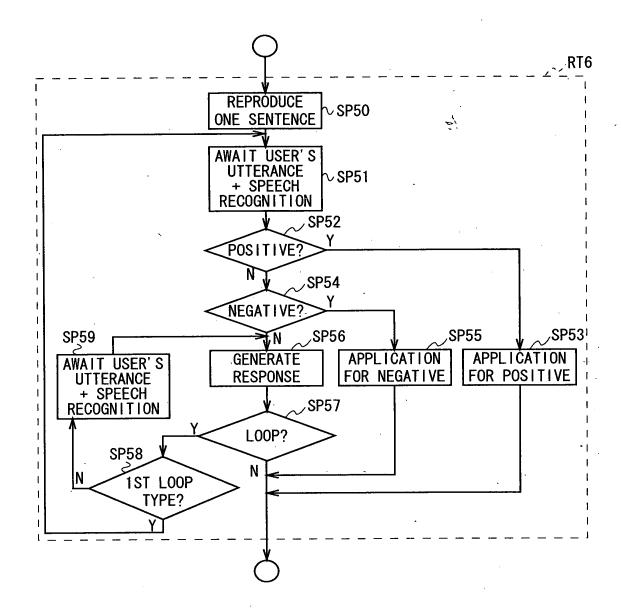


FIG. 28

// if response could not be generated, go // generate response in response generating part (do not generate doubt/question sentence) 1040 %TIMEUP: 1% "" NULL 4150 // if it became time-out, go to next block NULL 4140 1 10 4040 // set time-out to 10 sec . MAKERES: "SPECIFIC_ST|GENERAL_ST|LAST_ST" 4160 // reset counter RESET NULL 4150 COUNTER: 31 TIMEWAIT: 1 %NOICE% i = %NOICF%%TIMEUP: 1% %MAKERES% === ' to next block 4140 4140 4150 3034 4040

// generate response in response generating part (do not generate doubt sentence/question 3160 // if it became time-out, go to next block NULL 3160 // if response could not be generated, NULL 3150 MAKERES: "SPECIFIC_ST|GENERAL_ST|LAST_ST" 2950 // prompt "I think so." 3050 1 "1 think so." NULL 1 "" TIMEWAIT: 1 10 %VOICE%!= %NULL% MAKER "" NULL %TIMEUP: 1% "" NU %MAKERES% == "EMPTY" NULL go to next block sentence) 3020 3150 3150 3050 2950

FIG. 30

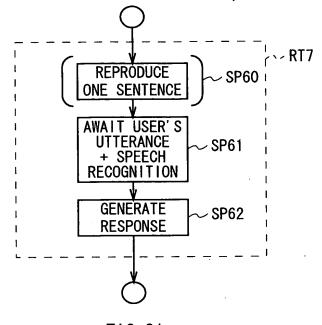
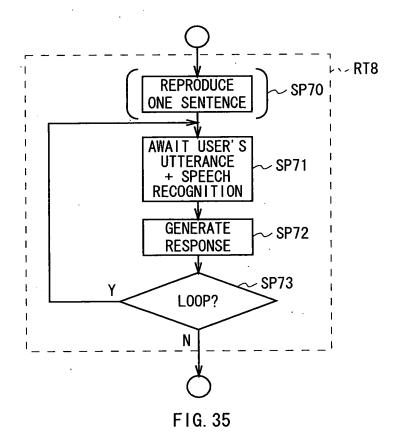


FIG. 31



30/35

```
001 It's nice.
002 It's cool.
003 It's great.
004 That's right.
005 What do you think I should do if it became so?
006 What should I do if it became so?
007 How is there?
008 What did you think at that time?
009 How was the place?
010 Is it real?
011 Do you think it is real?
012 But what should I do?
013 How about you?
014 How it is like?
015 How is the place?
016 How is the man?
017 What should I do?
018 How about it?
019 How is it?
020 How do you think about it?
021 What do you think how it is?
022 I'd like to hear your opinion.
023 I'd like you to tell me if I'm wrong.
024 How was your impression?
025 Why do you like it?
026 I wonder what will happen.
027 What do you think it is?
028 What do you think about?
029 Can even I do it?
030 What will happen if it is failed?
031 Do you think it's interesting?
032 No?
033 Do you think so?
```

FIG. 32

```
esponse in response generating part (There is possibility to generate doubt sentence/question
// 10 sec till time-out
10340 // if loop was repeated twice, go to next
                                                                                                                                            10340 // if loop was repeated twice, go to next
                                              // generate
                                                                                             if it became time-out, go to next block
                                             10130
                                              MLL
                                                                                                                            // 10 sec till time-out
                                             %VOICE% ! = %NULL% MAKERES: "SPECIFIC|GENERAL|LAST"
                                                                                                                                                                                                                           %MAKERES% == "MAKERES_LOOP" && %VOICE%! = %NULL%
                                                                                                                                                                            10340
                                                                                                                                                                                           10340
                                                                                                                                                                                                          10030
                                                                                           10340
10230
                                                                                                                            10330
10030
                                                                                                                                                                                                                                          "SPECIFIC|GENERAL|LAST"
                                                                                                                                                                            "NORMAL"
                                                                                                             COUNTER: 31
TIMEWAIT: 1
                                                                                                                                                                                            'EMPTY"
                                                                                                                                                                                                          "L00P"
                                                                                                                                             %COUNTER: 31\% > = 2
                 %COUNTER: 31% > = 2
 TIMEWAIT: 1
                                                                                              "
                                                                                              %TIMEUP: 1%
                                                                                                                                                                             "MAKERES" ==
                                                                                                                                                                                             "MAKERES" ==
                                                                                                                                                                                                            *MAKERES ==
                                                                                                                             ""
  ""
                                                                                  sentence.)
                                                                                                                                                                                                                                           IAKERES:
                                                  0030
                                                                                                0030
                                                                                                              0130
                                                                                                                              0230
                                                                                                                                             0330
                                                                                                                                                                             0330
                                                                                                                                                                                             0330
                                                                                                                                                                                                                            0330
                   0030
                                                                                                                                                                                                             0330
                                   olock
                                                                                                                                                              olock
```

```
esponse in response generating part (There is possibility to generate doubt sentence/question
                           10340 // if loop was repeated twice, go to next
                                                                                                                                             10340 // if loop was repeated twice, go to next
                                                       NULL 10130 // generate
                                                                                                    if it became time-out, go to next block
             // 10 sec till time-out
                                                                                                                               // 10 sec till time-out
                                                        %VOICE% ! = %NULL% MAKERES: "SPECIFIC|GENERAL|LAST"
                                                                                                                                                                                                                      %MAKERES% == "MAKERES_LOOP" && %VOICE%! = %NULL%
                                                                                                                                                                      10340
10340
10030
                                                                                                   10340
10230
10330
NULL
 // prompt
10 10090
" NULL
                                                                                                                                                                                                                                  NULL
10340
                                                                                                                                                                                                                                    "SPECIFIC|GENERAL|LAST"
 9020
NULL 902C
                                                                                                                                                                            "NORMAL"
                                                                                                                 COUNTER: 31
TIMEWAIT: 1
                                                                                                                                                                                         "EMPTY"
                             %COUNTER: 31% > = 2
                                                                                                                                                                                                       "L00P"
                                                                                                                                               \%COUNTER: 31% > = 2
                                                                                                     %TIMEUP: 1%
                                                                                                                                                                                                         %MAKERES% ==
                                                                                                                                                                             %MAKERES% ==
                                                                                                                                                                                           %MAKERES% ==
″No?″
""
                                                                                        sentence.)
                                                                                                                                                                                                                                      IAKERES:
                                                          0030
                                                                                                     0030
                             0030
                                             b lock
                                                                                                                   0130
                                                                                                                                 0230
                                                                                                                                              0330
                                                                                                                                                                            0330
                                                                                                                                                                                           0330
                                                                                                                                                                                                                       0330
                                                                                                                                                                                                         0330
                                                                                                                                                              block
```

F16, 34

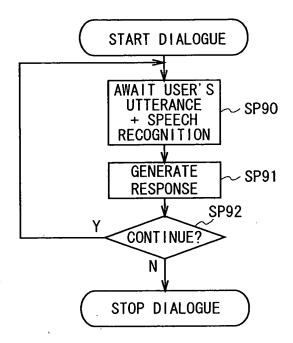


FIG. 36

EXPLANATION OF REFERENCE NUMERALS

1 — ROBOT, 40 — MAIN CONTROL PART, 40A — INTERNAL MEMORY, 51 — MICROPHONE, 52 — SPEAKER, 60 — SPEECH RECOGNITION PART, 61 — SCENARIO, 62 — SCENARIO REPRODUCING PART, 63 — RESPONSE GENERATING PART, 64 — VOICE SYNTHESIS PART, D1 — D3 — CHARACTER STRING DATA, S3 — AUDIO SIGNAL, BL, BL1 — BL9 — BLOCK, RT1 — RT9 — BLOCK REPRODUCING PROCEDURE.